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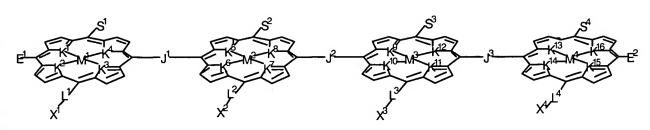
Please amend the claims by substituting the following claims for the corresponding previously pending claims of the same number(s):

1. An apparatus for storing data, said apparatus comprising:

a fixed electrode electrically coupled to

a storage medium having a multiplicity of different and distinguishable oxidation states wherein data is stored in said oxidation states by the addition or withdrawal of one or more electrons from said storage medium via the electrically coupled electrode; wherein said storage medium comprises a molecule attached to said electrode through a linker selected from the group consisting of the linker component of molecules "A" through "I" of figure 34.

94. A molecule for the storage of information, said molecule having the formula:



wherein

S¹, S², S³, and S⁴ are substituents independently selected from the group consisting of aryl, phenyl, cycloalkyl, alkyl, halogen, alkoxy, alkylthio, perfluoroalkyl, perfluoroaryl, pyridyl, cyano, thiocyanato, nitro, amino, alkylamino, acyl, sulfoxyl, sulfonyl, imido, amido, and carbamoyl wherein said substituents provide a redox potential range of less than about 2 volts;

M¹, M², M³, and M⁴ are independently selected metals;

K¹, K², K³, K⁴, K⁵, K⁶, K⁷, K⁸, K⁹, K¹⁰, K¹¹, K¹², K¹³, K¹⁴, K¹⁵, and K¹⁶ are

independently selected from the group consisting of N, O, S, Se, Te, and CH;

 J^1 , J^2 , and J^3 are independently selected linkers;

 L^1 , L^2 , L^3 , and L^4 are present or absent and, when present are independently selected linkers at least one of which is selected from the group consisting of the linker component of molecules "A" through "I" of figure 34;

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and X^1 , X^2 , X^3 , and X^4 are independently selected from the group consisting of a substrate, a reactive site that can covalently couple to a substrate, and a reactive site that can ionically couple to a substrate;

and E^1 and E^2 are terminating substituents; and said molecule has at least two different and distinguishable oxidation states.

116. An apparatus for storing data, said apparatus comprising:

a fixed electrode electrically coupled to a storage medium comprising a storage molecule having the formula:

wherein

 K^1 , K^2 , K^3 , and K^4 are independently selected from the group consisting of N, O, S, Se, Te, and CH;

M is a metal or (H,H);

S¹, S², and S³ are indepently selected from the group consisting of aryl, phenyl, cycloalkyl, alkyl, alkoxy, halogen, alkylthio, alkoxy, perfluoroalkyl, perfluoroaryl, pyidyl, nitrile, nitro, amino, and alkylamino;

L is present or absent and, when present, is a linker selected from the group consisting of the linker component of molecules "A" through "I" of figure 34; and

X is a substrate or a reactive site that can covalently or ionically couple to a substrate.

These amendments are made without prejudice and are not to be construed as abandonment of the previously claimed subject matter. Applicants expressly reserve the right to reinstate the canceled claims in this and subsequent applications. In accordance with the requirements